

Gulf of Mexico Harmful Algal Bloom Bulletin

13 July 2006

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: July 10, 2006

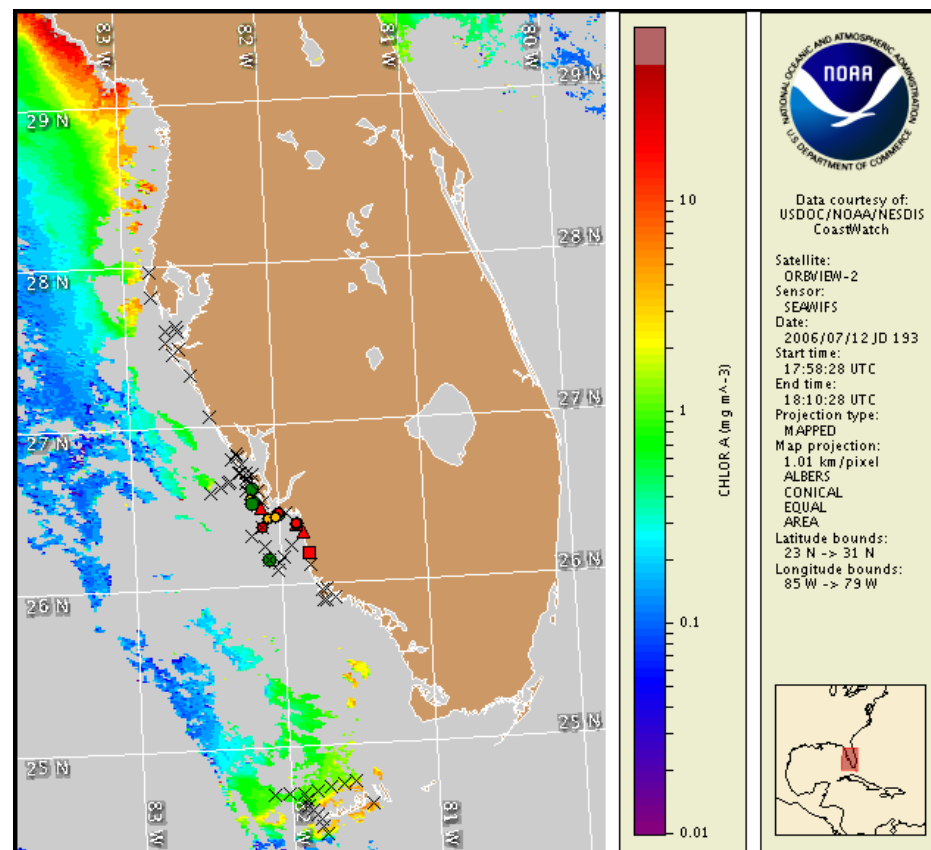
Conditions Report

A harmful algal bloom has been identified in Lee and northern Collier Counties. Patchy moderate to high impacts are possible in Lee County today through Monday. No impacts are expected for northern Collier County through Monday. Reports of dead fish and discolored water are possible.

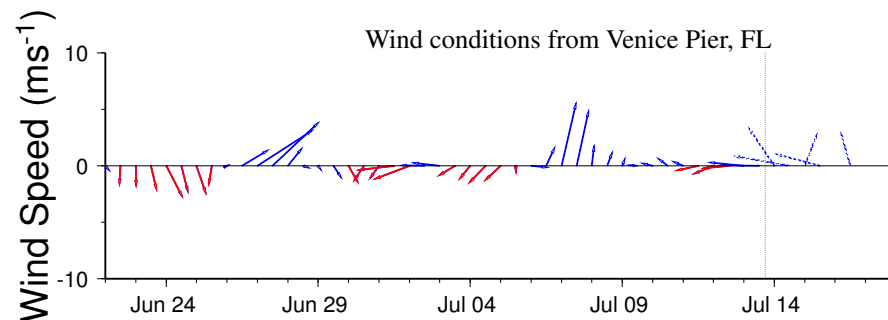
Analysis

The harmful algal bloom has intensified in Lee County (3 Medium & 2 High concentrations; FWRI- 7/11). In northern Collier County, the harmful algal bloom has likely moved slightly offshore with an intensification noted 3 NM offshore of Wiggins Pass (from V.Low to 2 Mediums; FWRI 7/11). Analysis is limited due to cloudy imagery. The transport model indicates over 15 km of north to northwesterly transport of the bloom since the last bulletin. In the vicinities of San Carlos Bay and Pine Island Sound, Lee County, impacts may increase due to strong winds through Saturday afternoon. In Collier County, easterlies to southeasterlies may continue transport offshore and decrease impacts alongshore. Consistent offshore winds may cause upwelling and increase bloom intensities offshore.

~Fenstermacher & Keller



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from July 3- 7 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).

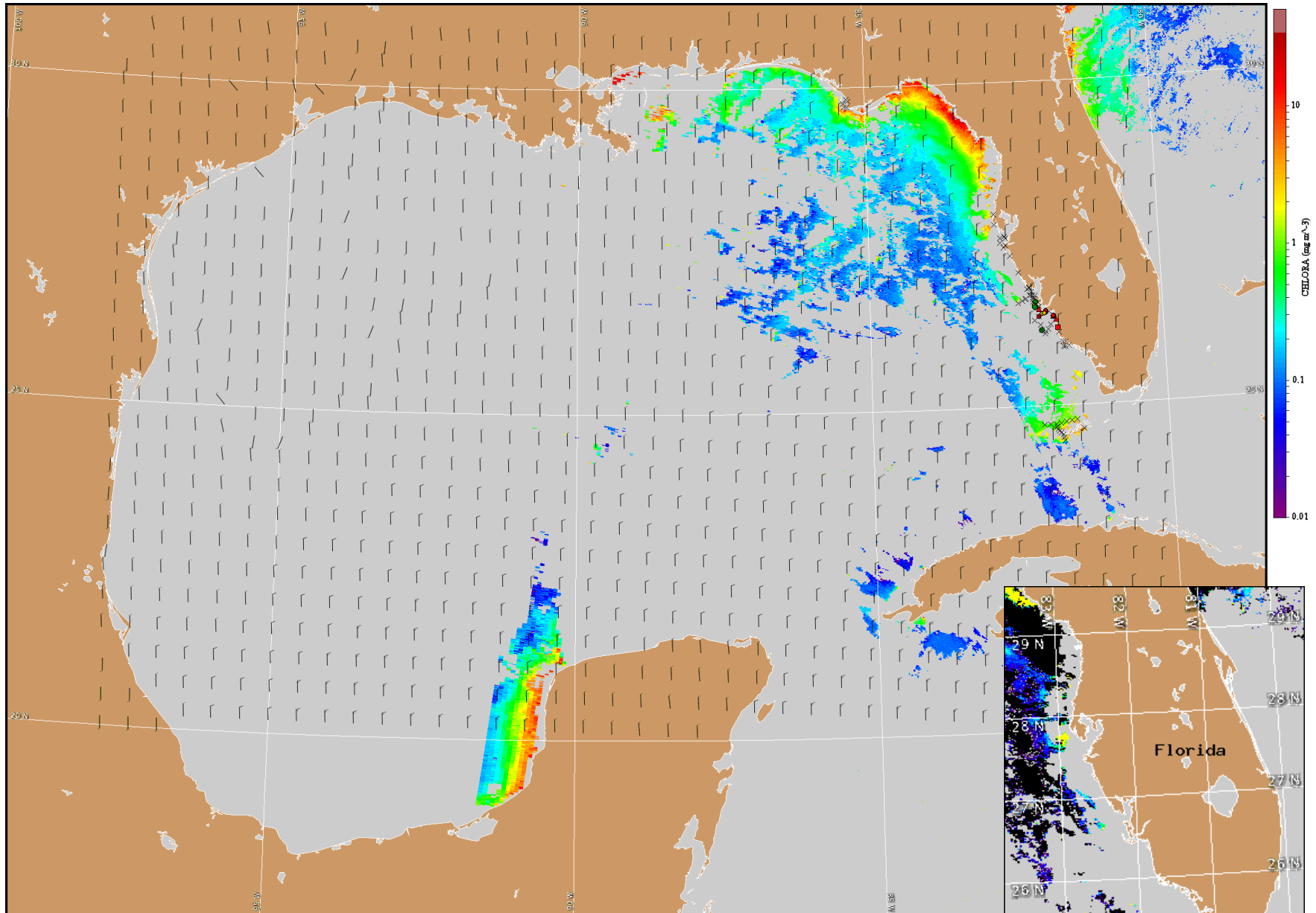


Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

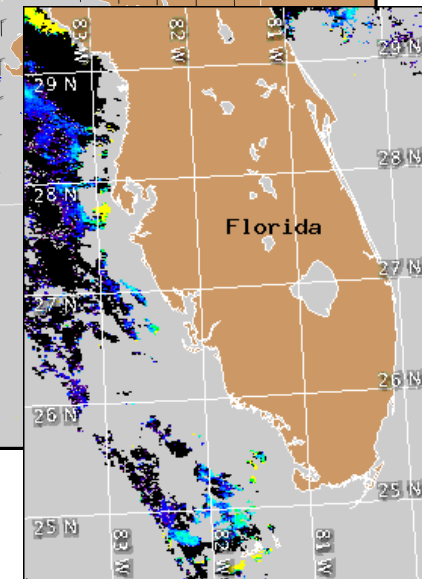
1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive OrbImage approval via the CoastWatch Program.

Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

SW Florida: Strong southeasterlies today through Friday (15 knots; 8 m/s). Strong easterlies (15 knots; 8 m/s) Friday night decreasing in intensity Saturday afternoon through Monday (5-10 knots; 3-5 m/s).



Satellite chlorophyll image and forecast winds for July 14, 2006 12Z with cell concentration sampling data from July 3-7 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).



Verified HAB areas shown in red. Other bloom areas shown in yellow (see p. 1 analysis for interpretation).